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(21) International Application Number: PCT/GB00/00003 (22) International Filing Date: 6 January 2000 (06.01.00) (30) Priority Data: 9900167.9 6 January 1999 (06.01.99) GB (71) Applicant (for all designated States except US): UNIVERSITY OF LEEDS [GB/GB]; Leeds LS2 9JT (GB). (72) Inventors; and (75) Inventors/Applicants (for US only): MARKHAM, Alexander, Fred [GB/GB]; Molecular Medicine Unit, Clinical Sciences Building, St. James's University Hospital, Leeds LS9 7TF (GB). BONTHTON, David [GB/GB]; Molecular Medicine Unit, Clinical Sciences Building, St. James's University Hospital, Leeds LS9 7TF (GB). (74) Agent: HARRISON GODDARD FOOTE; Belmont House, 20 Wood Lane, Leeds LS6 2AE (GB).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>Without international search report and to be republished upon receipt of that report.</i>
(54) Title: WOUND HEALING AND OROFACIAL CLEFTING (57) Abstract <p>A nucleic acid molecule, fragment or derivative thereof which encodes a tissue repair protein wherein said isolated nucleic acid molecule, fragment or derivative thereof, has the nucleotide sequence of SEQ ID NO:1. The invention also discloses use of the protein, the production of antibodies thereto, reporter gene construct and the use of the nucleic acid, protein, antibodies and products there in diagnosing and treating orofacial clefting, tissue damage and/or for wound healing.</p> <div><p>87 atggagcggcgagcgagagcccggtgtctggggcagccccgac M E R R S E S P C L R D S P D 132 cggcgagcggcgagccccgagcgtcaaggggcctccccagtgag R R S G S P D V K G P P P V K 177 gtggcccgctggagcagacggcgagccccatgggagccccggg V A R L E O N G S P M G A R G 222 agggccaaaggcgccgtggcgaaggccgtggaggtttgatgatt R P H G A V A A V G G L M I 267 cctgtctttctgtgtggagaggtggagggctctcttgatgat P V F C V V E O L D G S L E Y 312 gcaacacagagagacacggcgaggtttgtctgtggcggaagat D N R E E H A E F V L V R K D 357 gtgcttttttagccagctgtgtggagctgcgtctctgcccgtggg V L F S Q L V E T A L L A L G 402 tattctcacagctctgcggcccgagccccaggaataatcaagctg Y S H S S A A Q A O G I I K L 447 ggaagggtggaacccctctccccctcagttatgtgacagatgcaccc G R W N P L P L S Y V T D A P 492 gacggcagagtgcccgacatgctcagatgtctatcatgtgtgtg D A T V A D M L Q D V Y H U V 537 acgttgaaatccaattacaagttgtttcaagttggaagactgtg T L K I Q L O S C S K L E D L 582 cctggcgagcagtggaacatgccacagtcgcgaatgccttaag P A E Q W N H A T V R N A L K 627 gaactgctcaagagatgaacccagagcacttagccaaagatgc E L L K E M N Q S T L A K E C 672 cctctctccagagtgatgtttcatcattgttaaatagcacatg P L S Q S M I S S I V N S T Y 717 tatgcaatgtgtcagcaacacagtcggaggtttgggagatgg Y A N V S A T K C Q E F G R W 762 tatasaggtacaagagatgaagtggaagagtggaagcagaa Y K K Y K K I K V E R V E R E 807 aacotttcagactattgtgtctggcgagcgtccaatgcatte N L S D Y C V L G Q R P M H L 852 ccaaatatgaaccagctggcatcctgggggaaacacagcaag P N M N O L A S L G K T N E Q 897 tctctctcacagcgaattcaccacagttactccaatccgaaccaa S P H S Q I H H S T P I R N Q 942 gtggccgcatcacagccatgatgagccctgtttctttctccc V P A L Q P I M S P G L L S P 987 cagctagtccacaacttgaaggaacaaatagccatggcccat Q L S P Q L V R Q Q I A M A H 1032 ctgataaccaaagagattgcccgttagccggtcctgtgctcaccag L I N Q Q I A V S B L L A H Q 1077 catctccagccatcaacacagcgttctgtgacccatccaacatc H P Q A I N Q Q F L N H P P I 1122 cccagagcagtttagccagagcgaacacactcttccgtggaagtc P R A V K P E P T N S S V E V 1167 tctccagctatctaccagcagtcagagatgagctgagagggcc S P D I Y Q Q V R D E L K R A 1212 agtgtgtcccaagctgtcttggcaagagtgccattcaacgcaca S V S Q A V F A R V A F N R T 1257 cagggatgtgtgtcagagattctgtcgaaggaagagccctcgg Q G L L L S Z L L R K E Z D P R 1302 acagcctctcagctcttctgtgaacctgagggccatgcagat T A S Q B L L V N L R A M Q N</p></div>		